

b) Amendments to the Claims

Kindly cancel claims 49 and 50 without prejudice or disclaimer. Please amend claims 44, 45 and 48 and add new claim 53 as follows. A detailed listing of all the claims that are or were in the application is hereafter provided.

Claims 1-43 (Cancelled)

44. (Currently Amended) A structure comprising:

a first portion containing a polymer polyimide; and
a second portion formed on the first portion,

wherein the second portion has tubular pores, and the tubular pores are aligned uniaxially and extend alongside a boundary surface between the first portion and the second portion, and the polymer polyimide has a sequence of two or more adjacent methylene groups and ~~at least one imide bond~~ in a repeating unit of the polymer polyimide, and the sequence of adjacent methylene groups in the repeating unit is present in a main chain of the polyimide.

45. (Currently Amended) The structure according to claim 44, wherein the first portion is comprised of a Langmuir-Blodgett film ~~of the polymer~~.

46. (Previously Presented) The structure according to claim 44, wherein the second portion contains silicon.

47. (Previously Presented) The structure according to claim 44, wherein the structure contains silica.

48. (Currently Amended) The structure according to claim 44, wherein the number of adjacent methylene groups in the repeating unit of the polymer polyimide ranges from 2 to 20.

49. (Cancelled)

50. (Cancelled)

51. (Previously Presented) The structure according to claim 44, wherein a surfactant is contained in the pore structure.

52. (Previously Presented) The structure according to claim 44, wherein the pores are mesopores.

53. (New) A structure comprising:

a first portion containing a polyimide; and

a second portion formed on the first portion,

wherein the second portion has tubular pores, and the tubular pores are aligned uniaxially and extend alongside a boundary surface between the first portion and

the second portion, and the polyimide has a sequence of two or more adjacent methylene groups in a repeating unit of the polyimide, and the sequence of adjacent methylene groups in the repeating unit is present in a side chain of the polyimide.